

**WHAT IS CLAIMED IS:**

1. A method for making electronic information more readily available to an access  
2 requestor based on an anticipated demand for the electronic information, the method  
3 comprising:  
4       anticipating future requests for access to selected electronic information that is stored  
5 on a first storage medium;  
6       accessing the selected electronic information stored on the first storage medium;  
7       duplicating the selected electronic information on a second storage medium that is  
8 more accessible to an access requestor than the first storage medium; and  
9       providing the access requestor with access to the selected electronic information from  
10 the second storage medium.
- 1. The method of claim 1, further comprising:  
2       determining whether the selected electronic information is accessible to the access  
3 requestor from the second storage medium,  
4       wherein the access requestor is provided with access to the selected electronic  
5 information from the first storage medium only if the selected electronic information is not  
6 accessible to the access requestor from the second storage medium.
- 3. The method of claim 1 wherein the second storage medium is more geographically  
1 proximate to the access requestor than the first storage medium such that the duplicating  
2 includes duplicating the selected electronic information on a medium that is more  
3 geographically proximate to the access requestor than the first storage medium.
4. The method of claim 1 wherein the second storage medium is more electronically  
1 proximate to the access requestor than the first storage medium such that the duplicating  
2 includes duplicating the selected electronic information on a medium that is more  
3 electronically proximate to the access requestor than the first storage medium.
5. The method of claim 1 wherein the second storage medium provides faster  
1 completion of an access request than the first storage medium such that the providing

*Sub A1*  
3 includes providing faster access to the selected electronic information by the access  
4 requestor.

1 6. The method of claim 1 wherein the first storage medium resides on a central server  
2 and the second storage medium resides on a distributed server such that the duplicating  
3 includes duplicating the selected electronic information from the central server to the  
4 distributed server.

1 7. The method in claim 1 wherein the anticipating includes anticipating future requests  
2 for access to the selected electronic information based on past requests for access to the same  
3 or related electronic information by more than one access requestor.

1 8. The method in claim 1 wherein the anticipating includes anticipating future requests  
2 for access to the selected electronic information based on past requests for access to non-  
3 related electronic information by more than one access requestor.

*Sub B2*  
1 9. The method in claim 1 wherein the anticipating includes anticipating future requests  
2 for access to the selected electronic information based on past requests for access to related  
3 non-electronic information by more than one access requestor.

1 10. The method in claim 1 wherein the anticipating includes anticipating future requests  
2 for access to the selected electronic information based on past requests for access to non-  
3 related non-electronic information by more than one access requestor.

1 11. The method in claim 1 wherein anticipating future requests for access to the selected  
2 electronic information includes measuring a number of requests for the selected electronic  
3 information for which access is requested, and comparing the number of requests to a  
4 threshold.

1 12. The method in claim 1 wherein anticipating future requests for access to electronic  
2 information includes measuring a frequency of requests for access to the selected electronic  
3 information.

1       13. The method in claim 12 wherein anticipating future requests for access to the selected  
2       electronic information further comprises:

3              determining the file size of the selected electronic information;  
4              assigning a cache value to the selected electronic information based on the file size  
5       and the frequency of requests for the selected electronic information; and  
6              anticipating future requests for access to the selected electronic information based on  
7       the cache value of the selected electronic information.

1       14. The method in claim 1 wherein future requests for the selected electronic information  
2       are anticipated based on criteria unrelated to past access requests.

1       15. The method in claim 1 wherein anticipating future requests for access to the selected  
2       electronic information is performed before an access request is made.

1       16. A system for making electronic information more readily available to an access  
2       requestor based on anticipated demand for the electronic information, the system comprising:  
3              an anticipating software module that anticipates future requests for access to selected  
4       electronic information that is stored on a first storage medium;  
5              an electronic information reader that accesses the selected electronic information  
6       from within electronic information stored on the first storage medium;  
7              an electronic information copier that duplicates the selected electronic information on  
8       a second storage medium that is more accessible to an access requestor than the first storage  
9       medium; and  
10             an access providing software module that provides the access requestor with access to  
11       the selected electronic information from the second storage medium.

1       17. The system of claim 16, further comprising:

2              determines whether the selected electronic information is accessible to the access  
3       requestor from the second storage medium,  
4              wherein the selected information on the first storage medium is accessed by the  
5       electronic information reader and duplicated by the electronic information copier only if the

6 selected electronic information is not accessible to the access requestor from the second  
7 storage medium.

Conf 1  
Sub 2  
A2

18. The system of claim 16 wherein the second storage medium is more geographically proximate to the access requestor than the first storage medium.

19. The system of claim 16 wherein the second storage medium is more electronically proximate to the access requestor than the first storage medium.

20. The system of claim 16 wherein the second storage medium enables faster access request completion by the access requestor than the first storage medium.

21. The system of claim 16 wherein the first storage medium resides on a central server and the second storage medium resides on a distributed server.

22. The system of claim 16 wherein the anticipating module is structured and arranged for anticipating future requests for access to the selected electronic information based on past requests for access to the same or related electronic information by more than one access requestor.

Sub A3

23. The system of claim 16 wherein the anticipating module is structured and arranged for anticipating future requests for access to the selected electronic information based on past requests for access to non-related electronic information by more than one access requestor.

24. The system of claim 16 wherein the anticipating module is structured and arranged for anticipating future requests for access to the selected electronic information based on past requests for access to related non-electronic information by more than one access requestor.

25. The system of claim 16 wherein the anticipating module is structured and arranged for anticipating future requests for access to the selected electronic information based on past requests for access to non-related non-electronic information by more than one access requestor.

1        26. The system of claim 16 wherein the anticipating module is structured and arranged to  
2 measure a frequency of requests for access to the selected electronic information.

1        27. The system of claim 26 wherein the anticipating module includes:  
2              a determining module that determines the file size of the selected electronic  
3              information;  
4              an assigning module that assigns a cache value to the selected electronic information  
5              based on the file size and the frequency of requests for the selected electronic information;  
6              and  
7              an anticipating module that anticipates future requests for access to the selected  
8              electronic information based on the cache value of the selected electronic information.

1        28. The system of claim 16 wherein the anticipating module is structured and arranged  
2 such that future requests for the selected electronic information are anticipated based on  
3 criteria unrelated to past access requests.

1        29. The system of claim 16 wherein the anticipated future requests for the selected  
2              electronic information are performed before an access request is made.

1        30. A computer readable medium having embodied thereon a computer program for  
2              processing by a computer, the computer program comprising:  
3              a first code segment for anticipating future requests for access to selected electronic  
4              information that is stored on a first storage medium;  
5              a second code segment for accessing the selected electronic information from within  
6              electronic information stored on the first storage medium;  
7              a third code segment for duplicating the selected electronic information on a second  
8              storage medium that is more accessible to an access requestor than the first storage medium;  
9              and  
10             a fourth code segment for providing the access requestor with access to the selected  
11             electronic information from the second storage medium.

Sub  
A4

1    31. The computer readable medium of claim 30, further comprising:  
2         a determining code segment for determining whether the selected electronic  
3         information is accessible to the access requestor from the second storage medium,  
4                 wherein the selected electronic information on the first storage medium is accessed by  
5         the second code segment and duplicated by the third code segment only if the selected  
6         electronic information is not accessible to the access requestor from the second storage  
7         medium.

1    32. The computer program of claim 30 wherein the second storage medium is more  
2         geographically proximate to the access requestor than the first storage medium.

1    33. The computer program of claim 30 wherein the second storage medium is more  
2         electronically proximate to the access requestor than the first storage medium.

1    34. The computer program of claim 30 wherein the second storage medium enables faster  
2         access request completion by the access requestor than the first storage medium.

1    35. The computer program of claim 30 wherein the first storage medium resides on a  
2         central server and the second storage medium resides on a distributed server.

1    36. The computer program of claim 30 wherein the first code segment is structured and  
2         arranged for anticipating future requests for access to the selected electronic information  
3         based on past requests for access to the same or related electronic information by more than  
4         one access requestor.

1    37. The computer program of claim 30 wherein the first code segment is structured and  
2         arranged for anticipating future requests for access to the selected electronic information  
3         based on past requests for access to non-related electronic information by more than one  
4         access requestor.

Conti  
Sub  
A5

1       38. The computer program of claim 30 wherein the first code segment is structured and  
2       arranged for anticipating future requests for access to the selected electronic information  
3       based on past requests for access to related non-electronic information by more than one  
4       access requestor.

1       39. The computer program of claim 30 wherein the first code segment is structured and  
2       arranged for anticipating future requests for access to the selected electronic information  
3       based on past requests for access to non-related non-electronic information by more than one  
4       access requestor.

1       40. The computer program of claim 30 wherein the first code segment is structured and  
2       arranged to measure a frequency of requests for access to the selected electronic information.

Sub  
A6

1       41. The computer program of claim 40 wherein the first code segment further comprises:  
2              a determining code segment that determines the file size of the selected electronic  
3              information;  
4              an assigning code segment that assigns a cache value to the selected electronic  
5              information based on the file size and the frequency of requests for the selected electronic  
6              information; and  
7              an anticipating code segment that anticipates future requests for access to the selected  
8              electronic information based on the cache value of the selected electronic information.

1       42. The computer program of claim 30 wherein the first code segment is structured and  
2       arranged to measure a number of requests for access to the selected electronic information for  
3       which access is requested and comparing the number of requests to a threshold.

Sub  
A7

1       43. The computer program of claim 30 wherein anticipating future requests for the  
2       selected electronic information is based on criteria unrelated to past access requests.

1       44. The computer program of claim 30 wherein the anticipating is performed before an  
2       access request is made.